FIG. 1

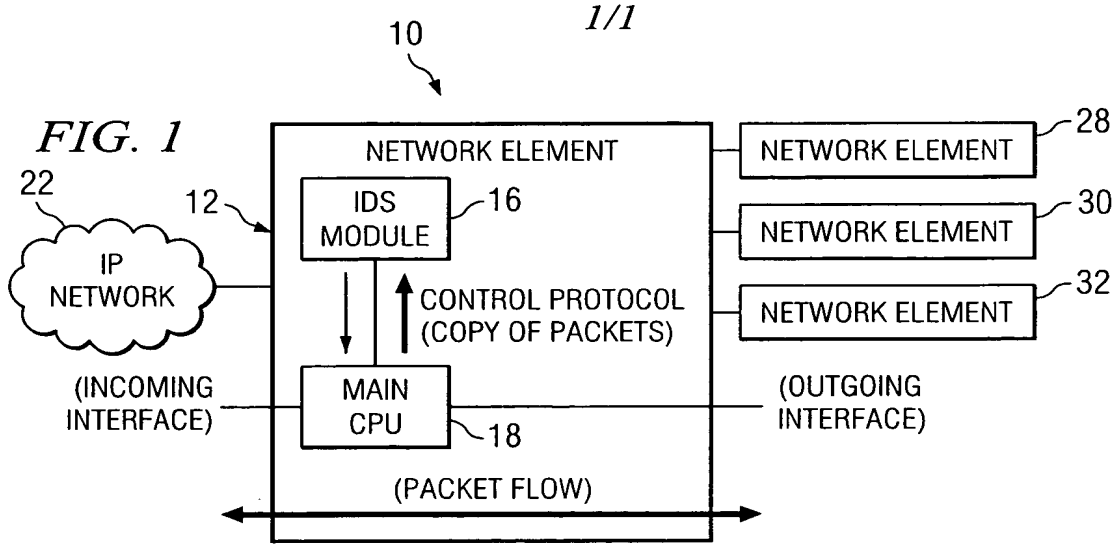
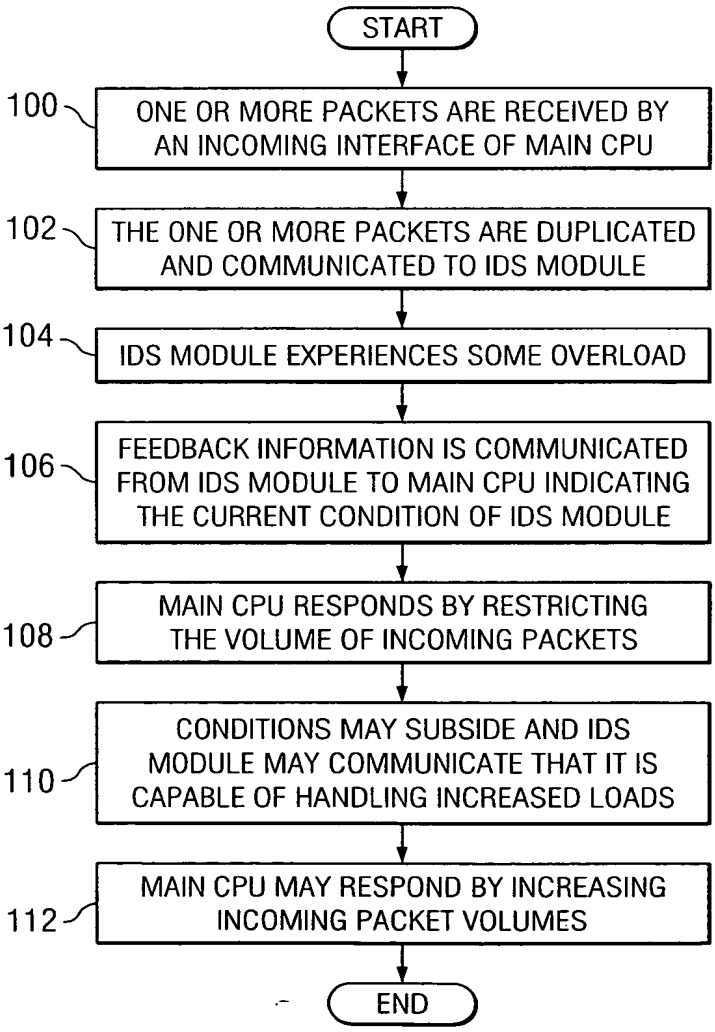

10
NETWORK ELEMENT
22
12
IDS MODULE
16
IP NETWORK
CONTROL PROTOCOL (COPY OF PACKETS)
(INCOMING INTERFACE)
MAIN CPU
18
(OUTGOING INTERFACE)
(PACKET FLOW)
NETWORK ELEMENT
28
NETWORK ELEMENT
30
NETWORK ELEMENT
32

FIG. 2


START
100
ONE OR MORE PACKETS ARE RECEIVED BY AN INCOMING INTERFACE OF MAIN CPU
102
THE ONE OR MORE PACKETS ARE DUPLICATED AND COMMUNICATED TO IDS MODULE
104
IDS MODULE EXPERIENCES SOME OVERLOAD
106
FEEDBACK INFORMATION IS COMMUNICATED FROM IDS MODULE TO MAIN CPU INDICATING THE CURRENT CONDITION OF IDS MODULE
108
MAIN CPU RESPONDS BY RESTRICTING THE VOLUME OF INCOMING PACKETS
110
CONDITIONS MAY SUBSIDE AND IDS MODULE MAY COMMUNICATE THAT IT IS CAPABLE OF HANDLING INCREASED LOADS
112
MAIN CPU MAY RESPOND BY INCREASING INCOMING PACKET VOLUMES
END